

A⁵
concluded

The adjustment of the transmission timing of the uplink time slot is called timing advance. Here, the method of the present invention is implemented in a mobile station and if the transmitting time slot is earlier than the receiving time slot, the transmission timing of the uplink time slot transmitted from the mobile station to the station is not necessary, since the timing advance does not play a role in this case.--

[On page 4, in between lines 32 and 34, please insert the following:

A⁶ BRIEF DESCRIPTION OF THE DRAWINGS

[On page 5, in between lines 12 and 14, please insert the following:

A⁷ DETAILED DESCRIPTION OF THE DRAWINGS

IN THE CLAIMS:

Please cancel Claims 1-14, without prejudice.

Please add the following claims:

A⁸

15. (New) Method of allocating time slots in a time division duplex communication system, in which information is transmitted and received in predetermined time frames each having a predetermined number of time slots, wherein first and second types of time slots selected from receiving and transmitting type time slots are allocated, the first time slot of each frame is allocated as the first type of time slot, and the second time slot of each frame is allocated as the second type of time slot, said method comprising:

determining, based on an amount of information to be transferred, whether at least one time slot following the second time slot of a current frame should be allocated as the first type of

time slot, and if so, always allocating the last time slot of the current frame as the first type of time slot, whereby the last time slot of the current frame and the first time slot of a succeeding frame are the same type of time slots; and

allocating time slots following the second time slot of the current frame as additional receiving or transmitting time slots dependent on an amount of information to be transmitted and/or received, wherein if additional time slot(s) are allocated for the second type of time slot, always allocating at least the third time slot of the current frame as an additional second type time slot.

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cont.
2. ~~16.~~ (New) The method according to claim ~~15~~¹, wherein the number of additional receiving time slots and the number of additional transmitting time slots are independent from one another.

3. ~~17.~~ (New) The method according to claim ~~15~~¹, wherein the first and second time slots of the current frame are receiving and transmitting time slots, respectively, and each is allocated to a first communication unit.

4. ~~18.~~ (New) The method according to claim ~~17~~³, wherein additional slots are also allocated to the first communication unit.

5. ~~19.~~ (New) The method according to claim ~~17~~³, wherein one of time frames (F_1, F_2, \dots) is assigned to several communication units and the additional time slots are allocated to communication units different from said first communication unit.

6. ~~20~~¹ (New) The method according to claim ~~15~~¹, wherein when both the last time slot and next to last time slot of the current frame are each allocated for transmitting or receiving, a guard period is provided in at least one of said last and next to last time slots.

7. ~~21~~⁴ (New) The method according to claim ~~20~~⁴, wherein said next to last time slot of the current frame is the second type of time slot, said last time slot is the first type of time slot, and said guard period is provided at the end of said next to last time slot.

8. ~~22~~⁸ (New) Apparatus for allocating time slots in a time division duplex communication system, in which information is transmitted and received in predetermined time frames each having a predetermined number of time slots, wherein first and second types of time slots selected from receiving and transmitting type time slots are allocated, the first time slot of each frame is allocated as the first type of time slot, and the second time slot of each frame is allocated as the second type of time slot, said apparatus comprising:

determining means for determining, based on an amount of information to be transferred, whether at least one time slot following the second time slot of a current frame should be allocated as the first type of time slot, and if so, always allocating the last time slot of the current frame as the first type of time slot, whereby the last time slot of the current frame and the first time slot of a succeeding frame are the same type of time slots; and

allocating means for allocating time slots following the second time slot of the current frame as additional receiving or transmitting time slots dependent on an amount of information to be transmitted and/or received, wherein if additional time slot(s) are allocated for the second

type of time slot, always allocating at least the third time slot of the current frame as an additional second type time slot.

⁹
~~23~~. (New) Apparatus according to claim ~~22~~⁸, wherein the number of additional receiving time slots and the number of additional transmitting time slots are independent from one another.

¹⁰
~~24~~. (New) Apparatus according to claim ~~22~~⁸, wherein the first and second time slots of the current frame are receiving and transmitting time slots, respectively, and each is allocated to a first communication unit.

¹¹
~~25~~. (New) Apparatus according to claim ~~24~~¹⁰, wherein additional slots are also allocated to the first communication unit.

¹²
~~26~~. (New) Apparatus according to claim ~~24~~¹⁰, wherein one of time frames (F₁, F₂, ...) is assigned to several communication units and the additional time slots are allocated to communication units different from said first communication unit.

¹³
~~27~~. (New) Apparatus according to claim ~~22~~⁸, wherein when both the last time slot and next to last time slot of the current frame are each allocated for transmitting or receiving, a guard period is provided in at least one of said last and next to last time slots.